

# What has Knowledge got to do with ICT Professionalism?

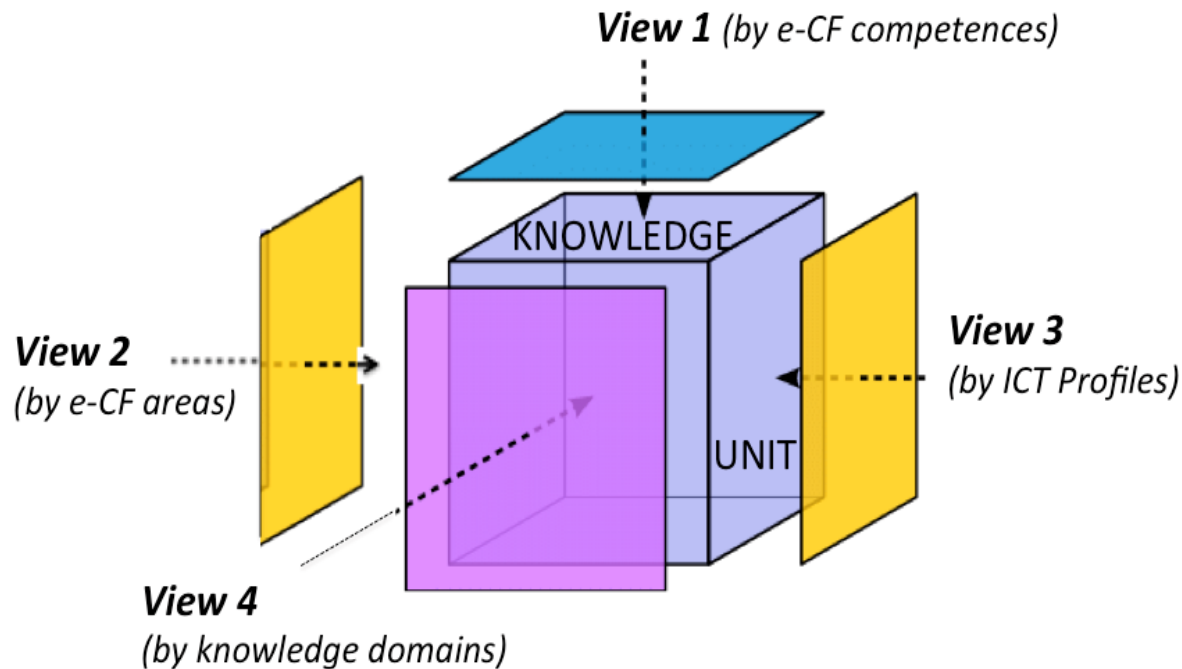
- A profession is the careful and competent use of expert knowledge for societal benefit
- Many codes of ethics internationally stress that part of ethics is knowing the limits of one's knowledge and expertise and operating within it.
- Hence codifying and explaining ICT knowledge in a Body of Knowledge is key part of supporting professionalism and ethics.

# Body of Knowledge –what can it do?

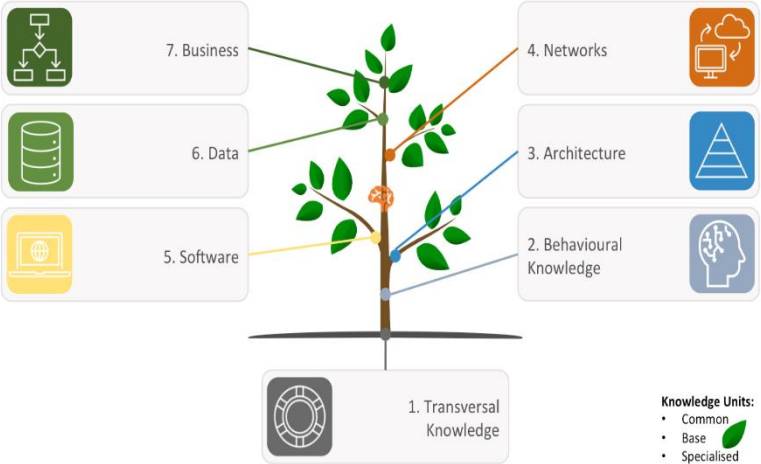
- Codify knowledge and **make it visible**
- **Develop consensus** regarding content and identity of ICT profession
- Encourage professional identity and **ethical use of expertise**

# Figure 1 — The Body of Knowledge index: access to each knowledge unit by four different entry points

Tags for views



# ICT BoK overview by Knowledge domains



KNOWLEDGE UNIT	KNOWLEDGE DOMAINS	KNOWLEDGE DOMAINS						
		1. Transversal knowledge	2. Behavioural Knowledge	3. Architecture	4. Networks	5. Software	6. Data	7. Business
Accessibility [T3]	ACC							
Application Software	APS							
Business Processes	BUS							
Collaboration	COL							
Communication	COM							
Data Analytics	DAN							
Data Communication	DCO							
Data Management	DMA							
Digitalisation	DIG							
Documentation	DOC							
Enterprise Architecture	ENA							
Ethics [T2]	ETH							
ICT Governance	GOV							
ICT and Society	SOC							
ICT Infrastructure	IFR							
ICT in Organisations	IOR							
ICT Legal Issues [T3]	LEG							
ICT Project Management	PRM							
ICT Quality	QUA							
ICT Risk Management	RIS							
ICT Strategy	STR							
Information Analysis	IAN							
Information Planning	IPL							
Information Systems Development	ISD							
Knowledge and Information Management	KIM							
Leadership	LEA							
Networks and Network Services	NET							
Organisation Principles	ORG							
Privacy [T4]	PRI							
Problem Solving	PSO							
Programming Languages	PLA							
Programming Principles	PPR							
Requirements Analysis and Specifications	RAS							
Security [T5]	SEC							
Service Delivery and Support	SDS							
Software Design	SDE							
Sourcing	SOU							
Sustainability [T6]	SUS							
System Administration	SAD							
System Software	SSO							
Testing	TES							
Usability [T7]	USA							
User Interface and Web Design	UID							





# People , knowledge, shared identity and expertise

- EU ICT BoK expert team

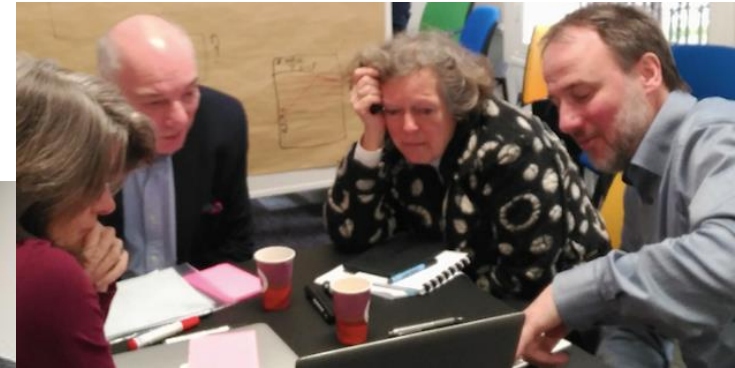
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- ICT BoK work in progress [https://www.ecompetences.eu/eu\\_ict\\_bok/](https://www.ecompetences.eu/eu_ict_bok/)

# An iterative and dynamic EU ICT BoK development approach:

Desktop research, surveys,  
EU ICT stakeholder and experts engagement,  
ICT BoK community exchange



- Visible results on the way:
  - final prEN and TR drafts to TC428 delivered by end May
  - Co will later this morning talk about an ICT BoK implementation case study

